

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

| | | |
|--|--------------------|---------------------|
| SOP No.: PDP-QC-13W | | Page 1 of 5 |
| Title: Commodity Specific Requirements for Mushrooms | | |
| Revision: 2 | Replaces: 01/01/02 | Effective: 04/01/02 |

1. Purpose:

To provide a listing of PDP identified required compounds for mushrooms.

2. Scope:

This standard operating procedure shall be followed by all laboratories analyzing mushrooms for PDP. This SOP shall be used in conjunction with QC-13, which identifies commodity groupings for selected/single screens, validation purposes, and approved process controls.

3. Outline of Procedure:

- 5.1 Compounds Required for Mushroom Multi Residue Screens
- 5.2 Marker Pesticides for Mushroom Multi Residue Screens

4. References:

- PDP Program Plan July – December 2001
- PDP 2000-2001 Program Planning Meeting, April 26, 2000
- SOP PDP-QC-13, “Required Compounds, Commodity Groups, and Marker Pesticides”, revision 8, October 1, 2001
- Pesticide Chemical News Guide
- Federal/State Meeting, October 26-28, 1999

5. Specific Procedures:

This standard operating procedure (SOP) represents minimum PDP requirements and is presented as a general guideline. Each laboratory shall have written procedures that provide specific details concerning how the procedure has been implemented in that laboratory.

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

| | | |
|--|--------------------|---------------------|
| SOP No.: PDP-QC-13W | | Page 2 of 5 |
| Title: Commodity Specific Requirements for Mushrooms | | |
| Revision: 2 | Replaces: 01/01/02 | Effective: 04/01/02 |

5.1 Compounds Required for Mushroom Multi Residue Screens

| Mushroom Compound | Reported As | Pest Code |
|-----------------------------|----------------------------------|------------------|
| Acephate | | 204 |
| Chlorothalonil ¹ | | 164 |
| Chlorpyrifos | | 160 |
| Cyfluthrin | | 781 |
| DDE | DDE o,p' | 911 |
| | And/or DDE p,p' | 910 |
| | Or DDE (total combined) | 300 |
| Deltamethrin ² | | 612 |
| Diazinon | | 024 |
| Diazinon O-analog | | AAW |
| Dichlorvos | | 338 |
| Dieldrin | | 028 |
| Diiflubenzuron ² | | 651 |
| Fenvalerate/Esfenvalerate | Fenvalerate | 546 |
| | And Esfenvalerate | 714 |
| | Or Fenvalerate (total combined) | 546 |
| Heptachlor epoxide | | 143 |
| Lambda cyhalothrin | | A39 |
| Lindane | | 050 |
| Malathion | | 052 |
| Malathion O-analog | | 208 |
| Methamidophos | | 170 |
| Methoprene | | ACV |
| Methoxychlor | Methoxychlor p,p' | 275 |
| | Or Methoxychlor (total combined) | 055 |
| Permethrin | Permethrin cis | 222 |

¹ Required only on samples received by CA1 from CA and MD. Analysis by NY1 on samples received from CO, FL, MI, NY, OH, TX, WA, and WI is not required.

² Required only on samples received by NY1 from CO, FL, MI, NY, OH, TX, WA, and WI. Analysis by CA1 on samples received from CA and MD is not required.

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

| | | |
|--|--------------------|---------------------|
| SOP No.: PDP-QC-13W | | Page 3 of 5 |
| Title: Commodity Specific Requirements for Mushrooms | | |
| Revision: 2 | Replaces: 01/01/02 | Effective: 04/01/02 |

| Mushroom Compound | Reported As | Pest Code |
|--------------------------|--------------------------------|------------------|
| | And Permethrin trans | 223 |
| | Or Permethrin (total combined) | 539 |
| Prallethrin | | ADC |
| Propiconazole | | 264 |
| Resmethrin | | 556 |
| Thiabendazole | | 157 |

5.2 Marker Pesticides for Mushroom Multi Residue Screens

| | | |
|------------|---------------|---------------|
| DDE p,p' | Diazinon | Methamidophos |
| Permethrin | Thiabendazole | |

| | | |
|--|--------------------|---------------------|
| SOP No.: PDP-QC-13W | | Page 4 of 5 |
| Title: Commodity Specific Requirements for Mushrooms | | |
| Revision: 2 | Replaces: 01/01/02 | Effective: 04/01/02 |

| | |
|--------------------------------------|-----------------|
| <i>Martha Lamont</i> | <i>03/15/02</i> |
| Approved By: Martha Lamont | Date |
| Director, Monitoring Programs Office | |
| 8609 Sudley Road, Suite 206 | |
| Manassas, VA 20110 | |
| (703) 330-2300 | |

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

| | | |
|--|--------------------|---------------------|
| SOP No.: PDP-QC-13W | | Page 5 of 5 |
| Title: Commodity Specific Requirements for Mushrooms | | |
| Revision: 2 | Replaces: 01/01/02 | Effective: 04/01/02 |

Revision 2

February 2002

Monitoring Programs Office

- Removed testing requirements for tralomethrin